

Advanced Video Security in Mini Form Factors for Any Space



Overview

Verkada's Mini Series offers flexible, discreet cameras with exceptional image quality. It includes two indoor models (the CM41 and CM41-S) and one outdoor model (the CM41-E), each designed for specific purposes. These cameras are suitable for a variety of applications, from corporate offices and retail locations to banks and schools. Customers appreciate the Mini Series for its adaptability and performance.

The CM41 is a compact, powerful camera that offers many of the core benefits of our Dome Series cameras. It is suitable for indoor use, and can be used to monitor entry points and high-traffic areas like corridors, lobbies, and common areas.

The CM41-S is our most compact and flexible camera because its optics and image sensor are separate from the base. This makes it the only high-resolution hybrid cloud camera that can fit in small and narrow places like ATMs, between walls, or in spaces where other cameras with similar capabilities cannot be installed.

The CM41-E offers the same flexibility, performance, and quality as the other models in the Mini Series, but it can be used outdoors. Despite its small size, it is as durable as our outdoor Dome Series. It has been rigorously tested and certified for use in a variety of outdoor environments. The CM41-E is ideal for mobile deployments, such as on railways, buses, and other forms of transportation. It has an IP67 and IK10 certification and an IP6K9K rating for protection against high-pressure water, making it well-suited for when the interior of transit vehicles need to be cleaned.

The Mini Series has standard features like data encryption, onboard storage, and advanced motion-based insights, allowing organizations to quickly scale their security coverage and increase situational awareness across multiple locations. These cameras also have powerful edge processing capabilities that deliver advanced computer vision features, including Verkada's People and Vehicle Analytics.

Key features

Uncompromised image quality

- Bring clarity to investigations with 5MP, high-definition sensor resolutions
- Effortlessly uncover in-scene details with enhanced digital zoom

Power onboard processing

- Powered by an Ambarella chipset to support Verkada's edge-based video analytics
- Low-bandwidth impact, only using 20-50 kbps per camera at rest

High capacity storage

- IP67 weather rated outdoor models
- IK10 impact rated outdoor models
- IK08 impact rated indoor models
- NDAA compliant



Verkada's hybrid cloud architecture



No NVR or DVRs

Industrial-grade onboard storage saves up to 365 days of continuous video¹

Easy to scale

Bandwidth friendly and supports thousands of cameras across unlimited locations

Centralized management

Modern platform enables secure access on any device from anywhere in the world

The Reliability of Onboard Storage, With the Accessibility of the Cloud

Simple to install

- No NVRs, DVRs, or servers—just a PoE connection
- Cameras come online and configure in minutes
- No added software or complexities like port forwarding

Easy to use

- Centralized management for secure remote access on any device nearly anywhere
- No training required to access footage and features
- Find, download and share footage from any device

Advantages of cloud-managed solution

- Real-time alerts if cameras fall offline
- SAML-based integration with single-sign on (SSO) solutions
- Continuous updates with new AI features
- Instantly share live footage via SMS and email
- Live, proactive alerting based on unusual activity

Ready for scale

- Bandwidth-friendly, operating at just 20–50 kbps
- Scale to thousands of cameras per location
- No added equipment needed to support additional cameras

No hidden costs

- Hardware includes an industry-leading 10-year warranty
- Automatic firmware updates keep systems secure
- New features and enhancements are added at no additional costs

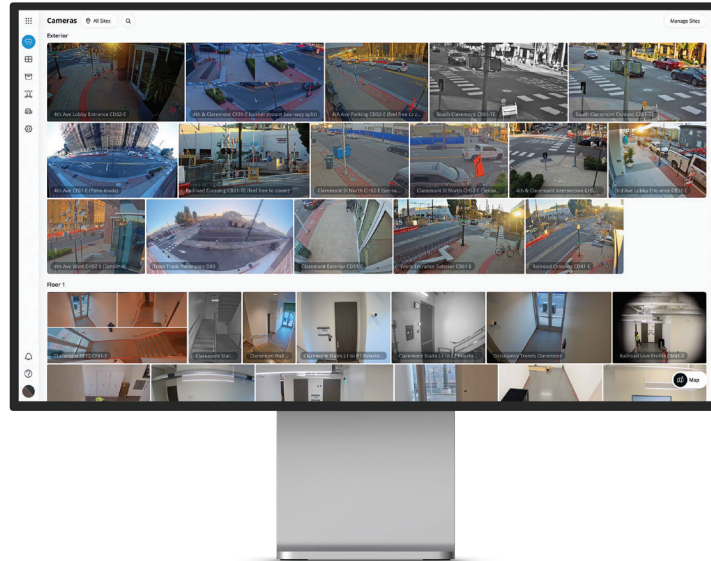


1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: <https://www.verkada.com/blog/recording-in-adaptive-quality/>



Verkada Command overview

All-in-one Cloud-based Management Software for Verkada Security Cameras



Command, Verkada’s cloud-based management software, is designed to deliver simple access and management for all cameras and users across all sites from virtually anywhere in the world. From Command, users can set up new cameras, create sites, manage settings, access live and archived footage, manage users and access the advanced features powered by Verkada’s edge-based analytics.

Quickly detect and respond to threats

- Stay informed with customizable, intelligent alerts
- Speed up investigations with intelligent people and face detection
- Search and filter to find vehicles of interest and detected license plates

Remote access on any device

- Access footage from nearly any device (desktops, smartphones, tablets)
- Native apps for iOS, Android and Verkada’s VX52 Viewing Station
- Built-in security integrations with industry-leading MFA providers

Manage from anywhere

- Remotely access and manage your sites from any browser or device
- Receive alerts for offline cameras, tampering and motion detection
- Gain detailed transparency with audit logs into user access and actions

Stay secure from the ground up

- Stay secure with data encrypted in transit (AES 128) and at rest (AES 256)
- Access cameras securely without port-forwarding, VPNs, or complicated configurations
- Receive automatic firmware updates to stay a step ahead of emerging threats

Scale with simplicity

- Add more devices and sites without complicating the user experience
- Leverage granular roles and permissions to manage users at scale
- Bring cameras online without 3rd party plugins, thick clients, or downloads

Effortlessly archive and share

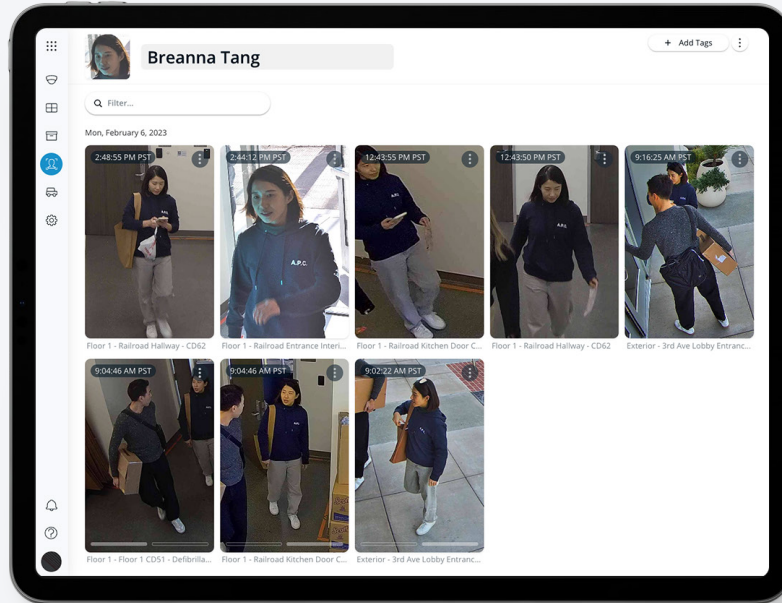
- Command licenses include unlimited cloud archiving and 30-days of cloud backup
- Easily export any footage in a shareable MP4 format
- Share Live Links and floorplans with first responders



Verkada's People Analytics

Simplify and Speed Up Investigations

With Intelligent People and Face Detection



Available for all Verkada camera models, People Analytics combines intelligent edge-based video processing with computer vision in the cloud to give users high-quality images of all individuals identified in the scene. Using People Analytics, customers can filter people by various attributes and expedite investigations.

Bring Intelligence to Investigations

Face search

- Quickly search for matching people by selecting an existing face from your organization or by uploading an image

Person history

- Browse through high-resolution snapshots of people detected
- Save snapshots or easily access associated full-res video
- Search for matched people across your entire organization with cross-camera search

Attribute filters

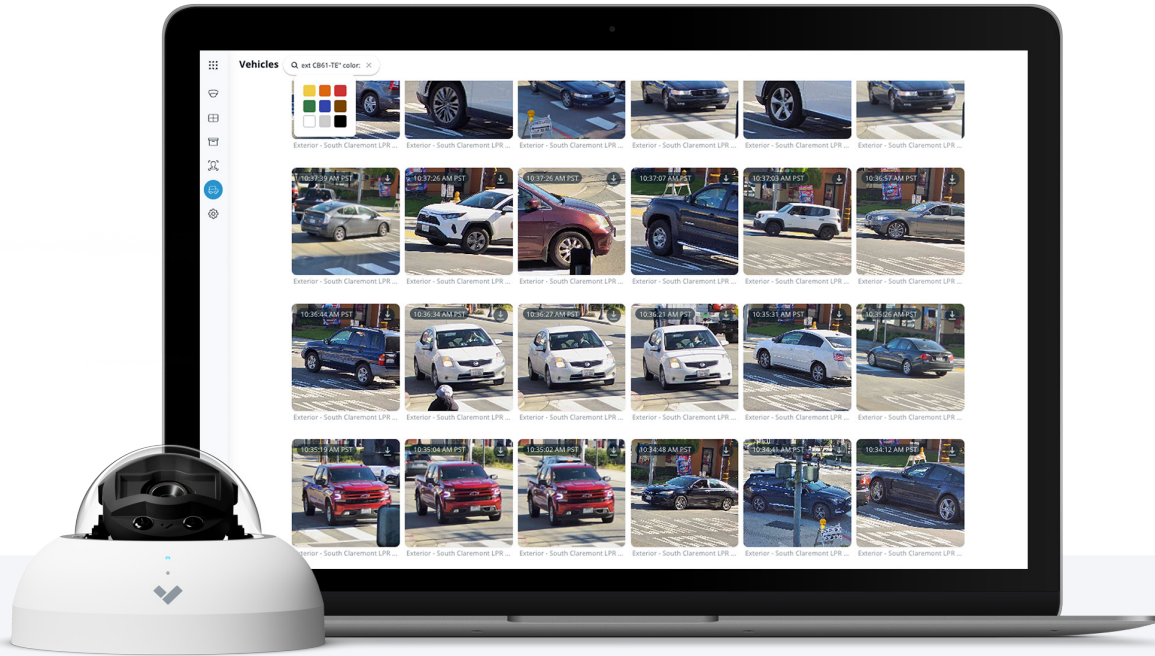
- Filter based on a range of attributes, including clothing color, gender appearance and facial matches

Person of Interest notifications

- Set up proactive SMS/email notifications for alerting when a matching face is detected by a camera
- Create a Person of Interest by using an uploaded image or an existing face from your organization



Verkada's Vehicle Analytics Quickly Search and Filter To Find Vehicles of Interest



Vehicle Analytics is a powerful edge-based feature that gives users high-quality images of all vehicles identified in a scene. With Verkada's centralized management platform, customers can filter vehicles by date, time, color and body type.

Find and Filter Vehicles With Ease

Vehicle history

- Browse through high-resolution snapshots of vehicles detected in frame
- Save snapshots or easily access associated full-res video

Investigate anywhere

- Vehicle Analytics is available from any compatible device and can be accessed from virtually anywhere in the world

Cross-camera search

- Easily find similar vehicles of interest across all cameras deployed across all sites
- Create and export playback of multiple angles of a vehicle to quickly provide evidence

Attribute filters

- Filter based on a range of attributes, including vehicle color and body type



Mini Series camera Tech Specs



CM41

Camera features

Image Sensor	1/2.8" Progressive CMOS	Shutter Speed	1/30 sec. to 1/10,000 sec.
Sensor Resolution¹	5MP (2688 x 1944)	Day/Night	IR-cut filter for day and night function
Lens Type	Fixed	IR Cut Filter	Yes
Focal Length	2.8mm	IR Range	15m / 49ft
Aperture	F1.6	Minimum Illumination	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
Iris	Fixed	Onboard Storage	Capacity: From 128GB to 2TB Card: MicroSD, SDXC
Field of View (after LDC²)	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	CPU	Ambarella S5L63
Sensor Movement	Tilt: 60° Pan: 2x120° Rotation: 240°		

Standard video settings

Compression	H.264	Historical Video Settings	Adaptive quality ¹
Frame Rate³	24fps	Video Streaming Settings	High quality (HQ) - 1,500 Kbps Standard quality (SQ) - 300 Kbps

Standard audio settings

Audio	Supported	Interface	Built-in microphone
Audio Capacity	One-way audio	Effective Range	5m / 15ft

Power and network

Power Input⁴	With IR: IEEE 802.3af Type 1 PoE Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: N/A	Connectivity	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
Power Consumption⁴	With IR: 37-57V, 0.15-0.1A, 5.69W Without IR: 37-57V, 0.1-0.06A, 3.55W Extended temperature range: N/A	RTSP	RTSP1.0 RFC 2326 Max concurrent streams: 2 Audio support: Yes

1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website:

<https://www.verkada.com/blog/recording-in-adaptive-quality/>

2. Lens Distortion Correction (LDC) crops the sensor field of view to deliver a rectified, undistorted output image.

3. Frame rate can be adjusted by Support.

4. Extended temperature range includes operating temperatures below -8.5°C / 16.7°F and assumes IR will be enabled.



Mini Series camera Tech Specs



CM41

General

Operating Temperature	-10°C to 50°C / 14°F to 122°F	LED Indicator	System power and status indicator
Humidity	0 to 90%	Warranty	10 Years
Certifications	FCC, ICES, CE, UL, CB, BIS, NOM, IK08 impact rating, IEC62368, NDAA, VCCI	Included Accessories	Setup guide, drop ceiling screw set (2x), wall mount screws (3x)

Mechanical

Weight	Camera: 228g / 8.04oz Mount plate: 55 g / 1.94oz	Body	Aluminum, plastic dome trim
Dimensions	Ø: 100mm / 3.94in, H: 63mm / 2.48in		



Mini Series camera Tech Specs



CM41-E

Camera features

Image Sensor	1/2.8" Progressive CMOS	Shutter Speed	1/30 sec. to 1/10,000 sec.
Sensor Resolution¹	5MP (2688 x 1944)	Day/Night	IR-cut filter for day and night function
Lens Type	Fixed	IR Cut Filter	Yes
Focal Length	2.8mm	IR Range	15m / 49ft
Aperture	F1.6	Minimum Illumination	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
Iris	Fixed	Onboard Storage	Capacity: From 128GB to 2TB Card: MicroSD, SDXC
Field of View (after LDC²)	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	CPU	Ambarella S5L63
Sensor Movement	Tilt: 70° Pan: 355° Rotation: 240°		

Standard video settings

Compression	H.264	Historical Video Settings	Adaptive quality ¹
Frame Rate³	24fps	Video Streaming Settings	High quality (HQ) - 1,500 Kbps Standard quality (SQ) - 300 Kbps

Standard audio settings

Audio	Supported	Interface	Built-in microphone
Audio Capacity	One-way audio	Effective Range	5m / 15ft

Power and network

Power Input⁴	With IR: IEEE 802.3af Type 1 PoE Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: IEEE 802.3af Type 1 PoE	Connectivity	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
Power Consumption⁴	With IR: 37-57V, 0.14-0.09A, 5.46W Without IR: 37-57V, 0.08-0.005A, 3.22W Extended temperature range: 37-57V, 0.27-0.17A, 10.1W	RTSP	RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio support: Yes

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2. Lens Distortion Correction (LDC) crops the sensor field of view to deliver a rectified, undistorted output image.

3. Frame rate can be adjusted by Support.

4. Extended temperature range includes operating temperatures below -8.5°C / 16.7°F and assumes IR will be enabled.



Mini Series camera Tech Specs



CM41-E

General

Operating Temperature	-40°C to 55°C / 40°F to 131°F	LED Indicator	System power and status indicator
Humidity	0 to 90%	Warranty	10 Years
Certifications	FCC, ICES, CE, UL, CB, BIS, NOM, VCCI, IP67 weather rating, IP6K9K, IK10 impact rating, IEC 60950, IEC 62368, NDAA, EN 50155 railway compliance, EN 45545 railway fire compliance, EN 50121 railway EMC compliance	Included Accessories	Setup guide, T10 security torx screwdriver, wall mount screws (3x), junction box screws (2x), mounting template, desiccant bags, cable sealing components

Mechanical

Weight	Camera: 401g / 14.14oz Mount plate: 138g / 4.87oz	Body	Aluminum, plastic dome trim
Dimensions	Ø: 121 mm / 4.78 in, H: 72 mm / 2.83 in		



Mini Series camera Tech Specs



CM41-S

Camera features

Image Sensor	1/2.8" Progressive CMOS	Shutter Speed	1/30 sec. to 1/10,000 sec.
Sensor Resolution¹	5MP (2688 x 1944)	Day/Night	IR-cut filter for day and night function
Lens Type	Fixed	IR Cut Filter	Yes
Focal Length	2.8mm	IR Range	N/A
Aperture	F1.6	Minimum Illumination	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
Iris	Fixed	Onboard Storage	Capacity: From 128GB to 384GB Card: MicroSD, SDXC
Field of View (after LDC²)	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	CPU	Ambarella S5L63
Sensor Movement	Tilt: 90° Pan: n/a Rotation: 240°		

Standard video settings

Compression	H.264	Historical Video Settings	Adaptive quality ¹
Frame Rate³	24fps	Video Streaming Settings	High quality (HQ) - 1,500 Kbps Standard quality (SQ) - 300 Kbps

Standard audio settings

Audio	Not Supported
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Power and network

Power Input⁴	With IR: N/A Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: N/A	Connectivity	RJ-45 cable connector for network/PoE connection; 10/100 Mbps
Power Consumption⁴	With IR: N/A Without IR: 37-57V, 0.1-0.06A, 3.55W Extended temperature range: N/A	RTSP	RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio support: No

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Mini Series camera Tech Specs



CM41-S

General

Operating Temperature	-10°C to 50°C / 14°F to 122°F	LED Indicator	System power and status indicator
Humidity	0 to 90%	Warranty	10 Years
Certifications	FCC, ICES, CE, UL, CB, NOM	Included Accessories	Setup guide, mounting template, camera mounting screws (2x), hub mounting screws (2x)

Mechanical

Weight	Camera: 199g / 7.02oz Mount plate: 55g / 1.94oz	Body	Aluminum, plastic housing
Dimensions	Camera Head: H: 47.90mm / 1.89in, W: 55.22mm / 2.17in, D: 35.22mm / 1.39in Base: Ø: 94.18mm / 3.70in, H: 27.64mm / 1.09in		



Professional Video Monitoring for Verkada Cameras

Meet your Virtual Guard

Verkada offers a 24/7 professional monitoring service to review and respond to events from your Verkada cameras

Monitoring is provided by three fully redundant, U.S.-based, UL listed central stations with Five Diamond Certification from The Monitoring Association.



Assess the situation

- While your site is armed, our agents will review video in real time when any camera detects a person
- If the person is deemed a threat to people or property, an alarm will be raised

Make contact

- When an alarm is raised, agents will call and send SMS messages to the predetermined contact list
- If there's a visible emergency in progress, agents will contact local emergency services immediately

Take action

- If a threat is confirmed by someone on the contact list, or if no one can be reached, agents will dispatch local first responders to the site address
- All events can be reviewed, archived and accessed from Command for incident investigation

Alarm license pricing

Professional monitoring of Verkada cameras is included in the Alarm license. The Alarm license includes access to the cloud-managed Verkada Alarms platform and unlimited video review of person detection events. One Alarm license is required for each unique site address, with no limit on monitored cameras.

Alarm License pricing

Model Number	Description	Cost (MSRP) USD
LIC-BA-1Y	1-Year Alarm License	\$1,500
LIC-BA-3Y	3-Year Alarm License	\$4,500
LIC-BA-5Y	5-Year Alarm License	\$7,500
LIC-BA-10Y	10-Year Alarm License	\$15,000



Ordering Information

Mini Series pricing

Model Number	MP ¹	WDR	Lens	IR Range	Onboard Storage	Maximum SQ Onboard Retention ¹	People/Vehicle Analytics	Cost (MSRP) ^{USD}
CM41-30-HW	5.0MP	✓	Fixed	15m / 49ft	128GB	30 Days	✓	\$799
CM41-60-HW	5.0MP	✓	Fixed	15m / 49ft	256GB	60 Days	✓	\$1,199
CM41-90-HW	5.0MP	✓	Fixed	15m / 49ft	384GB	90 Days	✓	\$1,599
CM41-120-HW	5.0MP	✓	Fixed	15m / 49ft	512GB	120 Days	✓	\$1,999
CM41-365-HW	5.0MP	✓	Fixed	15m / 49ft	2TB	365 Days	✓	\$2,999
CM41-30S-HW	5.0MP	✓	Fixed	-	128GB	30 Days	✓	\$999
CM41-90S-HW	5.0MP	✓	Fixed	-	384GB	90 Days	✓	\$1,799
CM41-30E-HW	5.0MP	✓	Fixed	15m / 49ft	128GB	30 Days	✓	\$999
CM41-60E-HW	5.0MP	✓	Fixed	15m / 49ft	256GB	60 Days	✓	\$1,399
CM41-90E-HW	5.0MP	✓	Fixed	15m / 49ft	512GB	90 Days	✓	\$1,799
CM41-365E-HW	5.0MP	✓	Fixed	15m / 49ft	2TB	365 Days	✓	\$3,199

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Ordering Information

Video Security Cloud License pricing

Model Number	Description	Cost (MSRP) USD
LIC-1Y	1-Year Camera License	\$199
LIC-3Y	3-Year Camera License	\$549
LIC-5Y	5-Year Camera License	\$899
LIC-10Y	10-Year Camera License	\$1,799

Accessories pricing

ACC-MNT-5	Mini Camera Pendant Cap Mount Kit	\$79
ACC-MNT-6	Mini Camera Junction Box Mount Adapter	\$59
INJ-POE-PLUS	Verkada PoE Plus (802.3at) Injector, GigE	\$129

Viewing Station pricing

VX52-HW	VX52 Viewing Station	\$499
LIC-VX-1Y	1-Year Viewing Station License	\$499
LIC-VX-3Y	3-Year Viewing Station License	\$1,299
LIC-VX-5Y	5-Year Viewing Station License	\$1,999
LIC-VX-10Y	10-Year Viewing Station License	\$3,999